


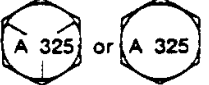









1327 MARKINGS FOR STEEL BOLTS

ASTM AND ASE GRADE MARKINGS FOR STEEL BOLTS AND SCREWS

GRADE MARKING	SPECIFICATION	MATERIAL
 NO MARK	SAE-Grade 1	Low or Medium Carbon Steel
	ASTM-A 307	Low Carbon Steel
	SAE-Grade 2	Low or Medium Carbon Steel
	SAE-Grade 5	Medium Carbon Steel, Quenched and Tempered
	ASTM-A 449	
	SAE-Grade 5.2	Low Carbon Martensite Steel, Quenched and Tempered
	ASTM-A 325 Type 1 ASHTO-M 164	Medium Carbon Steel, Quenched and Tempered
	ASTM-A 325 Type 2 ASHTO-M 164	Low Carbon Martensite Steel, Quenched and Tempered
	ASTM-A 325 Type 3 ASHTO-M 164	Atmospheric Corrosion (Weathering) Steel, Quenched and Tempered
	ASTM-A354 Grade BB	Low Alloy Steel, Quenched and Tempered
	ASTM-A 354 Grade BC	Low Alloy Steel, Quenched and Tempered
	SAE-Grade 7	Medium Carbon Alloy Steel, Quenched and Tempered Roll Threaded After Heat Treatment
	SAE-Grade 8	Medium Carbon Alloy Steel, Quenched and Tempered
	ASTM-A-354 Grade BD	Alloy Steel, Quenched and Tempered
	ASTM-A 490 ASHTO-M 253	Alloy Steel, Quenched and Tempered

ASTM Standards:

A 307 - Low Carbon Steel Externally and Internally Threaded Standard Fasteners.

A 325 - High Strength Steel Bolts for Structural Steel Joints, including Suitable Nuts and Plain Hardened Washers.

A 449 - Quenched and Tempered Steel Bolts and Studs.

A 354 - Quenched and Tempered Alloy Steel Bolts and Studs with Suitable Nuts.

A 490 - Quenched and Tempered Alloy Steel Bolts for Structural Steel Joints.

SAE Standards:

J429 - Mechanical and Quality Requirements for Externally Threaded Fasteners.